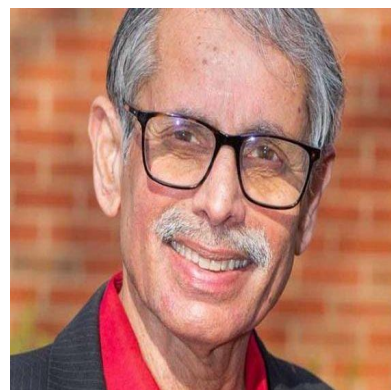
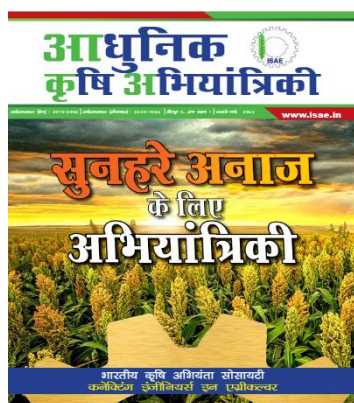


# e-NEWSLETTER INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

.... Connecting Engineers in Agriculture

May-June, 2023



5600 + Life Members

36 Chapters

2 Scientific Journals

Published by  
**INDIAN SOCIETY OF AGRICULTURAL ENGINEERS**

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## Message From The President



**Dear Readers!** I am extremely happy to see that demand of this e-newsletter, ISAE journals, magazines of both Hindi and English versions is increasing at increasing rate. Membership of the society is being taken using online system even by many who have retired from the services. I talked with few of them and they said, “Society is now very active and sending regularly messages, magazines and journals. **The ISAE has become a very vibrant and the most useful scientific society in the context of present world situations. It is updating us with knowledge and information**”. These words actually give our team a lot of happiness and motivation.

**Friends!** The present executive committee (EC) of the ISAE is in a halfway of their tenure. You have felt its positive vibration and aura. We took a unique initiative to have a General Body meeting (GBM) in the middle of the year to get feedback of all honourable members. About 200 members participated and narrated their happiness with achievements of the society. **The GBM approved for bidding for CIGR International Meeting (conference)-2028 by the ISAE.** The GB also approved and authorised to the president to make a permanent committee from now to till the conference in 2028 get completed to keep in continuity in preparation for such a prestigious conference. The ISAE has submitted the letter of intent and got acceptance for bidding. Document preparation for the same is in progress.

**Dear ISAEians!** EC's meetings during the period have also approved draft MoU with the American Society of Agricultural and Biological Engineers (ASABE), Dr. Prasson Verma as Co-Editor-in-chief (Hindi) for Adhunik Krishi Abhiyantriki, Quotations for developing software module for automatic generation of membership certificate, makhana as theme of ISAE calendar 2024, MoU to be signed with M/S Cyberlative IT Solutions for overall management of website and marketing of ISAE work on revenue sharing basis, theme; brochure and calendar of the Raichur Convention etc. **We are taking lot of initiatives and execute them in timely manners. Revenue of the society therefore is also increasing steadily** through advertisements in AET, subscription of journal and enrolments of more membership in all categories.

**Dear Agrineers!** All efforts are being put to improve JAEI standard and documents are being made for application for indexing in web of science, Scopus, COPE etc. Cross referencing and doi system are now fully functional. The reader can now directly click on doi of pdf and reach to the original paper. Correct and active cross referencing has started giving yield in form of citations. Many of you must be getting mail now even by google scholar that your paper has been cited. In last issue you saw the **SJIF for 2021 of JAEI was 6.266. Now SJIF for 2023 has also come and increased substantially to 7.442**, the value shows much better than many renowned journals of comparable level of scientific society. **Promises given are almost being fulfilled.** All must feel happy and satisfied. I myself had one close contact meeting with about 30 industries persons at ICAR-CIRCOT Mumbai and latter visited three companies and discussed various issues and modalities to work together choosing either one channel ISAE or the ICAR. Three proposals were zeroed for further development with our institutions/members. ISAE New Delhi-NCR Chapter is also organizing an Industry problems and academia solutions (iPAS) in IARI during 26-27 July 2023. Request all industries to participate in big numbers.

**Dear Partners!** We are doing our best and probably more than your expectations in many areas. Activities have been initiated in all and every directions, we however many times feel helplessly helpless because of the lack of active and willing partners, who can forward their helping hands for cooperation and contributions, a bit with concentration from their side. So, please **awake! Arise! and Join us!** To make the ISAE flourish at geometric rate of progression. Jai Hind!

S N Jha  
President, ISAE

## From the Editor-in-chief's Desk



*It is pleasing to note that The Indian Society of Agricultural Engineers (ISAE) is moving into a new phase of its development, and several steps have been taken by the EC in this regards. Efforts are being made for Deptt. of Agricultural Engineering in IITs and NITs, Separate directorates in State, and efforts for expanding the activities of ISAE etc.*

*The society and the member are working actively, to reach maximum number of Agrineers and professional in the agriculture sector through its publications, training session and activities across the country through ISAE chapters. This newsletter is featured with glimpses of efforts made through activities and advancement in the field of agricultural engineering conducted during this period of May- June 2023 across the country by various agricultural engineering institutes for dissemination of knowhow to all stakeholders.*

*I hope the content on various technologies through this e-newsletter will give takeaways on latest technologies to Agricultural Engineering professionals in introducing and implementing the same.*

*Your suggestions, feedback are also solicited for further improvement of this mouthpiece of ISAE.*

**Chandra Shekhar**  
Chief Editor



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## ISAE Happenings

### The 17<sup>th</sup> Executive Committee Meetings Held on Dated 07.05.2023

The 17<sup>th</sup> ISAE Executive Committee meeting held on 07.05.2023, The following points discussed and decided with consensus

1. The members of Raichur Chapter briefed about the preparation of the 57<sup>th</sup> ISAE convention and International symposium. The date and theme of the next ISAE convention and International symposium were decided after thorough decision on its pros and cons. The date of the 57<sup>th</sup> ISAE convention and International symposium is on 6-8, November 2023. The theme of the 57<sup>th</sup> ISAE convention and International symposium are "Agri-Food Systems' Transformation through Engineering Innovations" and "Engineering for Making Millets a Global Food" respectively. It was suggested that the brochure may be prepared and widely circulated after incorporating all the suggestions. Limited number of hard copy of the brochure may be prepared for sending to the sponsors/funding agencies. The will be obtained from DG ICAR & Secretary DARE, DDG(NRM) and DDG(Edu), ICAR before including their name in the brochure.
2. The President Informed that a draft MoU was received from an international society (ASABE, USA) upon his initiative and was circulated among the members for comments/suggestions on addition and deletion of points for finalization. It was requested that comments/suggestions on addition or/and deletion of points may be communicated at the earliest and draft in format of MoU may be prepared.
3. There is a need of volunteer for editing, proof reading of Hindi version of Agricultural Engineering Today (AET) i.e. Adhunik Krishi Abhyantriki. Dr. Prassoon Verma, Principal Scientist, ICAR-IIPR, Kanpur is nominated to act as Co-Chief Editor (Hindi) of Aadhunik Krishi Abhyantriki addition to other members of editorial board of AET. His term shall be co-terminus with the present executive council. It was also suggested that application and other process may be initiated to get ISSN No for Adhunik Krishi Aviyantriki.
4. The printing cost of the AET as per our requirement quoted by M/S New United Process, Naraina Industrial Area, New Delhi seems to be on higher side. It was suggested to request the firm to agree the quoted price including all taxes.
5. Development of a software module for ISAE membership certificates generation automatically after verification was discussed and go ahead with" addition of some work for improvements in online application system was given.



## ISAE Happenings

6. The updates on awards eligibility, privileges of members etc. as per new constitution and bye-laws was proposed to made on the ISAE website at the earliest
7. The president informed that bidding for CIGR International conference 2028 is open and he flashed the matter in several WhatsApp groups of ISAE members to gather their opinions. Majority of members desired to go for bidding and thus ISAE decided to go for bidding with the help of an event management company who has experience in such work.
8. It was informed by the Secretary General that the laptop and the desktop were procured for ISAE works

**The 57th Annual Convention of ISAE on “Agri-food system Transformation through Engineering Innovation” and international symposium on “Engineering intervention for making millets a global food” is scheduled on 6-8 Nov. 2023 at UAS Raichur Karnataka.**


**57<sup>th</sup> Annual Convention of  
Indian Society of Agricultural Engineers (ISAE)  
on  
Agri-Food Systems' Transformation through  
Engineering Innovations**


**6-8 November 2023**

**International Symposium  
on  
Engineering Interventions for Making Millets a Global Food**






**Jointly organised by**

**Indian Society of Agricultural Engineers  
New Delhi  
&  
University of Agricultural Sciences  
Raichur, Karnataka (India)**

**THEME IV: Green and Alternative  
Energy Technologies**

- o Renewable energy applications in agriculture
- o Biomass and bio-energy harvesting and utilization
- o Clean energy technologies
- o Energy generation from waste
- o Utilization of animal energy in agriculture

|                                                |                                     |                            |
|------------------------------------------------|-------------------------------------|----------------------------|
| Submission of Abstract                         | 10 <sup>th</sup><br>September, 2023 | <b>IMPORTANT DEADLINES</b> |
|                                                | 20 <sup>th</sup><br>September, 2023 |                            |
| Notification of Acceptance of Paper to Authors |                                     |                            |
| Submission of Full Length Paper                | 10 <sup>th</sup><br>October, 2023   |                            |

**All are requested to submit your abstracts  
for THEME-IV and attend the same**



[atulmohod72@gmail.com](mailto:atulmohod72@gmail.com)



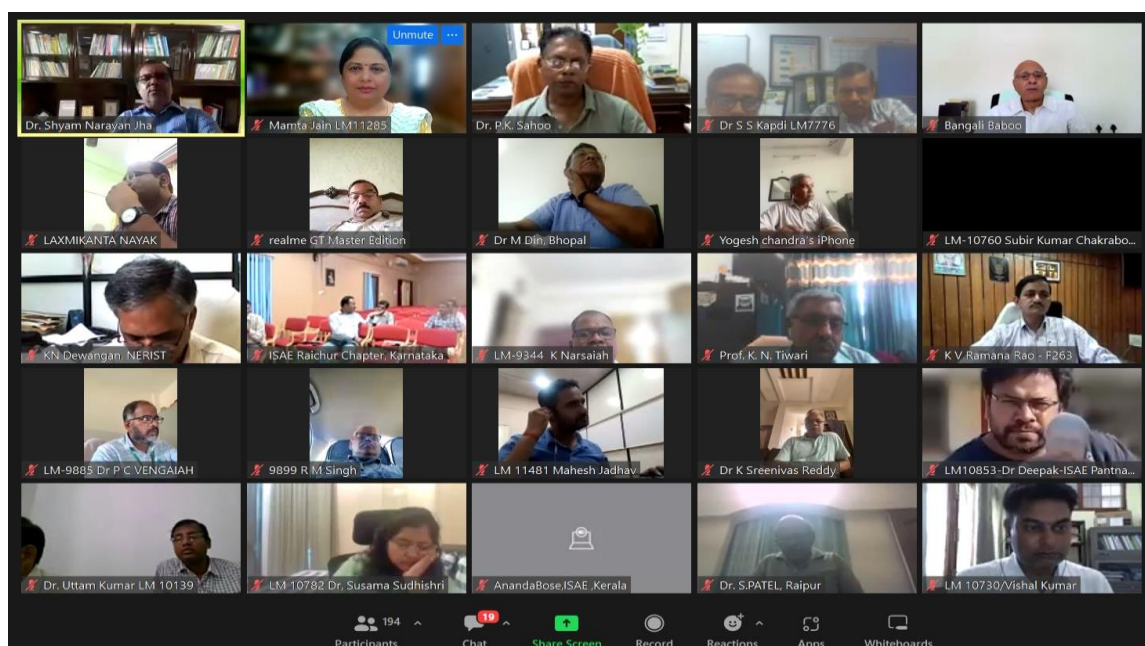
**Prof. (Dr.) Atul Mohod  
Director (Energy and OA), ISAE**

## ISAE Happenings

### The 18<sup>th</sup> ISAE Executive Committee EC Meetings held on dated 03.06.2023

The 18<sup>th</sup> ISAE executive committee meeting was held on 03.06.2023, The President, ISAE briefed about the activities and the following points were discussed and unanimously decided in the meeting:

1. Dr.Udaya Kumar Nidoni, represented ISAE Raichur Chapter and briefed about the preparation of the 57<sup>th</sup> ISAE convention and International symposium which is scheduled on November 6-8, 2023 at UAS, Raichur, Karnataka. The theme of the this ISAE convention and International symposium are "Agri-Food Systems' Transformation through Engineering Innovations" and "Engineering for Making Millets a Global Food". The invitations may be sent to delegates of different international societies of agricultural engineering (Nepal, Malaysia, ASABE, South Korea, Kenya etc)
2. The keynote speaker(s), chairman, co-chairman, rapporteur(s) for different technical sessions for the convention and International symposium may also be finalized. The Chief Guest, Guest of Honor for both the Inaugural and valedictory function may be discussed with the President and Secretary General, ISAE and finalized.
3. The representatives from M/s Alfa Network shared their experiences in the area of organizing International events and participating in the bidding process to the EC. The President, ISAE briefed about the CIGR international event-2028 and expected number of participants in the event.



## ISAE Happenings

4. The draft MoU received from an International society (ASABE, USA) was discussed and the draft MoU in the interest of ISAE was endorsed by the EC
5. The Hindi version of Agricultural Engineering Today (AET) i.e. Adhunik Krishi Aviyantriki is in the proof reading stage and will be released soon
6. The online issue of the ISAE membership certificate after verification by Secretary General and approval of the President (in online mode only) will be a great help in smooth operation and to keep the membership database updated, EC approved and finalized the MIS Cyberlet IT Solutions company to take-up the work
7. The EC also approved, in principle, to sign an MoU with Cyberlative IT Solutions for management and maintenance of ISAE website, and marketing of ISAE products on revenue sharing basis.
8. The EC approved the name of Dr. Prasoon Verma, Principal Scientist, ICARIIPR, Kanpur and requested the Secretary General to offer him the letter for becoming Co-Chief Editor of Adhunik Krishi Abhiyantriki (Hindi)
9. Theme of ISAE Calendar -2024 was decided to be makhana and was requested to arrange photographs for each months from seedling transplanting to Value addition and marketing



## ISAE Happenings

**Collage of Agricultural Engineering & Technology, ISAE Dapoli Chapter Organised an Interaction and Discussion Session with Probationary Officers, Central Water Engineering Services CWC, GoI, New Delhi on Role of Agricultural Engineering in Water Resource Management**



**College of Agril. Engg. & Technology**  
**(Dr. B.S.Konkan Krishi Vidyapeeth, Dapoli)**  
**Indian Society of Agricultural Engineers, Dapoli Chapter**



***Interaction and Discussion***  
***with***  
***Probationary Officers***  
***Central Water Engineering Services***  
***CWC, GoI, New Delhi***

***Role of Agricultural Engineering in***  
***Water Resources Management***



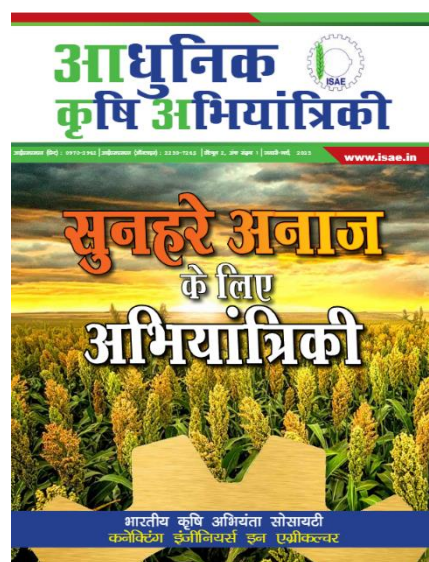
**Date : 22.06.2023**  
**Venue: Seminar Hall, CAET, Dapoli**  
**Mode: Offline**  
**Time: 16-17 pm**

**Organised by**  
**Department of Irrigation and Drainage Engineering, DBSKKV, Dapoli**

## ISAE Happenings

### The ISAE AET, Now Available Other Languages

In another step of progress, ISAE Quarterly issue of Agricultural Engineering Today is now available in two more language i.e Hindi and Bengali, to reach maximum reader and to update the readers with Agricultural Engineering activities in the local language



### Workshop on Farm Mechanization – Making Farming As Prosperity

A workshop on Farm Mechanization – Making Farming as Prosperity was organized by ISAE, New Delhi and Bannari Amman Institute of Technology Satyamangalam on 20.05.2023. In this workshop following were discussed :

- 1- Present status of Farm Mechanization for making farming as profitable
- 2- Making horticultural crop cultivation profitable through advanced machinery
- 3- Entrepreneurship opportunities in farm machinery sector



**Workshop on**

**FARM MECHANIZATION -**

**MAKING FARMING AS PROSPERITY**

*Organized by*

**INDIAN SOCIETY OF AGRICULTURAL ENGINEERS**

**NEW DELHI**

**&**

**BANNARI AMMAN INSTITUTE OF TECHNOLOGY**

**SATHYAMANGALAM**

*On*

**20.05.2023**

**HYBRID MODE**

*Venue*

**BANNARI AMMAN INSTITUTE OF**

**TECHNOLOGY**

**SATHYAMANGALAM**



**Registration Fees**

**FREE** for ISAE Member

**Rs. 500** for Non - ISAE Member

**Link for payment**

<https://isae.in/services/isae-pay-custom-amount/>

**Scan to Register**





# ISAE Happenings

## The ISAE Chapter Location Map

Location map of ISAE has been prepared, indicating across the country presence of ISAE chapters. All the chapters are active and several activities are being taken up by the ISAE chapters for Agricultural Engineering activities



### INDIAN SOCIETY OF AGRICULTURAL ENGINEERS CHAPTERS' LOCATION MAP



## ISAE Participation in CODEX Committee on Food Import and Export inspection and Certification System (CCFICS)

Delegation from India comprising of officials from ICAR, Ministry of Commerce, Export Inspection Council and FSSAI attended the 26<sup>th</sup> Session of Codex Committee on Food Import and Export Inspection and Certification Systems (CCFICS) during 1<sup>st</sup> May 2023 to 5<sup>th</sup> May 2023 at Hobart, Tasmania at the invitation of the government of Australia.

CCFICS is one of the committees under the Codex Alimentarius Commission (CAC) tasked with developing CAC standards and guidelines on export and import product inspection and certification systems. The agenda of the meeting included discussions on draft guidelines on recognition and maintenance of equivalence of National Food Control Systems; draft consolidated guidelines related to equivalence; guidelines on the prevention and control of food fraud; draft principal and guidelines on the use of Remote Audit and Verification in Regulatory frame works and review and update of the principal for Traceability/Product Tracing as a Tool within a Food Inspection and Certification systems.

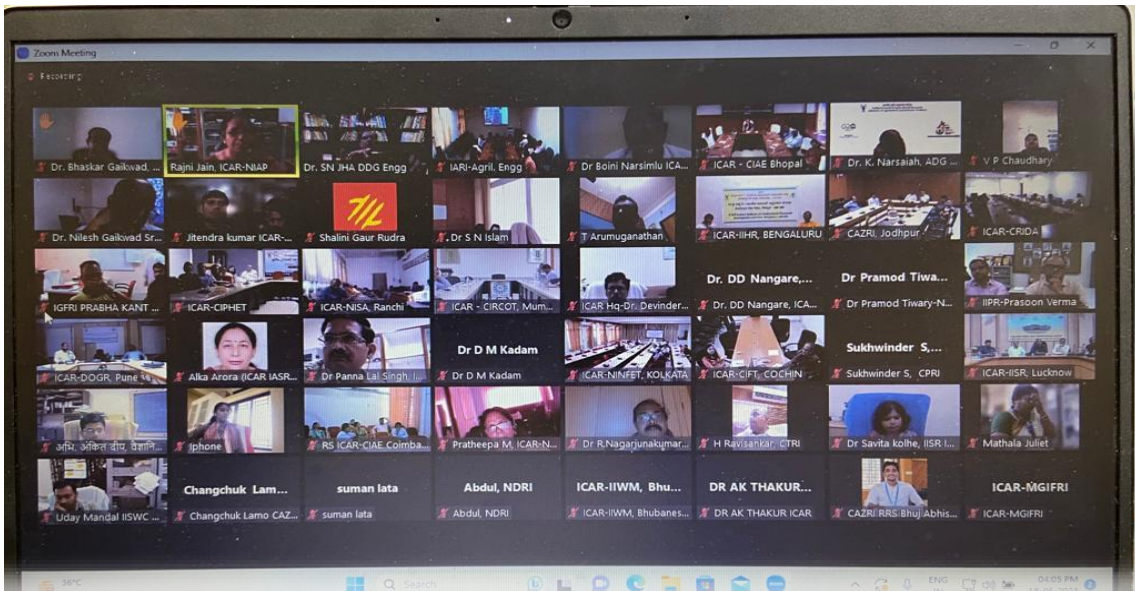
Under the emerging global issues and potential new works, India introduced CRD4 on development of guidance on appeals mechanism in the context of rejection of imported food. The proposal received support, and it was recognised that the subject was within the scope of the CCFICS, and there was value in progressing the work. CCFICS26 requested that India assisted by Nigeria prepare a new discussion considering the comments made at the session and encouraged other Members to come forward to assist.

India exports substantial amounts of agricultural produce and food commodities and it is important for the country to actively participate in the Codex activities to regulate the production, processing and trade of food commodities to safeguard human health and promote fair practices in food trade.



## Discussion on Purpose, Prospects and Problems of Agricultural Engineering and Allied Disciplines

A first meeting of its kind in ICAR was conducted by Agricultural Engineering division on 18/05/2023 to align the activities of Agricultural Engineering and allied disciplines across the division. Dr. S. N. Jha welcomed the DG ICAR Dr. Pathak and briefed him about the purpose of the meeting. Dr. Pathak congratulated DDG Engg. for such initiatives and motivated the scientists all discipline. Discussion on purpose, prospects and problems of the group was held for more than three hours. Three projects involving all stakeholders across the division were identified to begin with.



## Govt. of CG Announced Separate Directorate of Agricultural Engineering Division

Chief Minister, Chhattisgarh, Bhupesh Bhagelala announced for separate Directorate for Agricultural Engineering in the State During the inauguration function in Indra Gandhi Agriculture University.



## Panjab Government Announces Starting of Separate Directorate of Agricultural Engineering



In a row after establishment of the new Directorate of Agricultural Engineering in Tamil Nadu, Madhya Pradesh, announcement in Uttar Pradesh, Chattisgarh, now Panjab is next state to announce the separate Directorate of Agricultural Engineering in the State. During the second “Panjab Sarkar-Kisan Milni and NRI Farmers’ Conclave”, held at PAU, Ludhiana, Shri. Kuldeep Singh Dhaliwal, Minister for Agriculture and NRI affairs, announced the formation of the Directorate of Agricultural Engineering under Panjab Government for the promotion of the farm mechanization and crop diversification. Shri. Laljit Singh Bhullar, Minister of Animal Husbandry, Dr. Satbir Singh Ghosal, Vice Chancellor, PAU, Ludhiana, Dr. Inderjeet Singh, Vice Chancellor, GADVASU, Ludhiana were present on this occasion.

The movement for the same is till going on there in State of Karnataka, Maharashtra and Rajasthan Other state can also find way out to establish new Directorate of Agricultural Engineering.

## CIPHET-ICAR, Ludhiana signs MoU with Indosaw, Ambala

ICAR - CIPHET, Lu...  
cityairnews.com



Ludhiana, June 9, 2023: ICAR - Central Institute of Post-Harvest Engineering and Technology, Ludhiana and M/s Osaw Industrial Products Pvt. Ltd. (INDOSAW), Ambala entered into an agreement to collaborate work on a contract research project entitled “Development of AI enabled machine vision based grain analyzer”.

Central Institute of Post Harvest Engineering and Technology, Ludhiana, well known for the research and development in India in the field of Post Harvest Technology has signed an MoU with the leading Agricultural equipment's, instruments and machinery manufacturer M/s Indosaw, Ambala for collaborative work on “Development of AI enabled machine vision based grain analyser” during the ceremony held on June 09, 2023 at Indosaw, Ambala. The MoU was signed by Dr. Nachiket Kotwaliwale, Director, CIPHET-ICAR, Ludhiana and Dr. Ajay Sagar, MD, Indosaw, Ambala.

Mrs. Manisha Sagar, Shri. V.H. Kalbande and Shri. Vijay from INDOSAW and Dr. Ranjeet Singh, Head, AST Division and Dr. D. Saha, Scientist from CIPHET were present during the function.

## ISAE Rajasthan Chapter Conducts Regional Workshop of Agricultural Engineers: Demands Separate Department of Agricultural Engineering under the State Government



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Longitude: 73.751284  
Elevation: 600.246 m  
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Note: Agri Engineers Meeting

Powered by AngleCam

ISAE Rajasthan Chapter conducted one day regional workshop on Agricultural Engineering at Udaipur on May 27, 2023 under chairmanship of Shri. R. K. Agrawal. Agricultural Engineers from all over the state participated in the workshop. About 1000 Agricultural Engineers are currently working in the state and contributing for development in different fields like Panchayat Raj Development Department, Regional Tribes Development, Soil and Water Conservation, lift irrigation schemes, solar energy

schemes, farm machinery schemes, Command Area Development, Rural Development, etc. In view of doubling the farmers' income and seeing the notable contribution by Agrineers in the state, the forum demanded opening of separate Department of Agricultural Engineering under the State Government, as the state of Tamil Nadu, Madhya Pradesh, Uttar Pradesh, Chattisgarh, Panjab have already established or declared to establish such separate Directorate or Department of Agricultural Engineering. The prominent participants Shri. Chandraprakash Bagdi, Shri. Atul Jain, Shri. S. S. Vyas, Shri. Arun Amota, Dr. Ajay Mehta expressed their valuable views on the occasion. Shri. Yogesh Gaud, Secretary opined that the representation, in this concern will be submitted to the Hon'ble Chief Minister of Rajasthan in each district through the District Magistrates, demanding declaration of starting the new Department of Agricultural Engineering in the state. The meeting ended with vote of thanks.



उदयपुर 29-05-2023

### कृषि अभियंता संगठन के संभाग स्तरीय सम्मेलन में प्रस्ताव पारित कृषि अभियंताओं के लिए अलग से कृषि अभियांत्रिकी विभाग खोले राज्य सरकार

हिंदी रिपोर्टर | उदयपुर

राजस्थान कृषि अभियंता संगठन का संभाग स्तरीय सम्मेलन जल ग्रहण विकास परिषद के सभागार में शनिवार को हुआ। इसमें कृषि अभियंताओं के लिए कृषि अभियांत्रिकी विभाग अलग से खोलने का प्रस्ताव पारित किया गया। सरकार से दो माह में इसकी शुरुआत करने की मांग की गई। ऐसा नहीं होने पर आंदोलन की चेतावनी भी दी गई।

प्रदेश प्रभारी आरके अग्रवाल ने कहा कि कृषि अभियंताओं द्वारा किए जा रहे कामों को भी पहचाना जाना चाहिए। कार्यक्रम का संचालन करते हुए राजस्थान सचिव योगेश गौड़ ने कहा कि इस मांग के लिए



प्रत्येक जिले में कृषि अभियंताओं द्वारा कलेक्टर के माध्यम से मुख्यमंत्री को ज्ञापन दिए जाएंगे।

सम्मेलन में उपस्थित अन्य वक्ताओं में

अधीक्षक अभियंता चंद्रप्रकाश वागड़ी, अतुल जैन, एसएस व्यास, अरुण आमेठा के साथ निवर्तमान अध्यक्ष डॉ. अभय मेहता ने अपने विचार व्यक्त किए।

उदयपुर

दैनिक नवज्योति

87  
Banskan  
Dainik

### कृषि अभियंताओं के लिए अलग से खोले कृषि अभियांत्रिकी विभाग

- कृषि अभियंता संगठन के संभाग स्तरीय सम्मेलन में प्रस्ताव हुआ पारित
- 2 माह में घोषणा नहीं होने पर आंदोलन की चेतावनी



ज्यो नवज्योति | उदयपुर। भारतीय कृषि अभियंता संगठन का संभाग स्तरीय सम्मेलन शनिवार को प्रताप नगर स्थित जल ग्रहण विकास परिषद के सभागार में आयोजित हुआ।

सम्मेलन के प्रारंभिक अवधि में अध्यक्ष आरके अग्रवाल ने कहा कि कृषि अभियंताओं के अभाव में राज्य सरकार के विकास में बाधा पड़ रही है। उन्होंने कहा कि कृषि अभियंताओं को आवाज देने की जरूरत है। उन्होंने कहा कि कृषि अभियंताओं को 2030 तक एक देश के अग्रणी राज्य में पहचान देनी

के विकास में कृषि अभियंताओं ने विभिन्न विभागों में अपनी-अपनी सेवाएं देकर अग्रणी स्थिति हासिल की है। परंतु आज तक राज्य सरकार ने कृषि अभियंताओं को पहचान नहीं दी। उन्होंने कहा कि कृषि अभियंताओं को पहचान देना ही राज्य सरकार का दायर है। उन्होंने कहा कि कृषि अभियंताओं को पहचान देना ही राज्य सरकार का दायर है। उन्होंने कहा कि कृषि अभियंताओं को पहचान देना ही राज्य सरकार का दायर है।

परिचालन को साकार करने के लिए आवश्यक है कि कृषि अभियंताओं द्वारा किए जा रहे कार्यों को पहचाना जाए और कृषि अभियंताओं के लिए एक अलग से विभाग की घोषणा की जाए। अग्रवाल ने कहा कि वर्तमान में राज्य प्रदेश, जलसिंधु, पंचायत और उच्च प्रदेश में कृषि अभियंताओं के लिए राज्य सरकारों ने अलग से विभाग खोल दिया है। यह आवश्यक है कि सरकार प्रदेश में तुरंत कृषि अभियंताओं का अलग विभाग खोलने की घोषणा करे। सम्मेलन में अधीक्षक

अधीक्षक चंद्रप्रकाश वागड़ी, अतुल जैन, एसएस व्यास तथा अरुण आमेठा के साथ-साथ राजस्थान कृषि अभियंताओं संगठन के निवर्तमान अध्यक्ष डॉ. अभय मेहता ने विचार व्यक्त किए। सम्मेलन करते हुए कृषि अभियंता संगठन के राजस्व सचिव योगेश गौड़ ने बताया कि इसके लिए प्रत्येक जिले से कृषि अभियंताओं द्वारा मुख्यमंत्री के नामित कलेक्टर को ज्ञापन दिए जाएंगे। 2 माह में इस संबंध में घोषणा नहीं होने पर आंदोलन किया जाएगा।

## ICAR, New Delhi and CIPHET, Ludhiana Bagged Patent on Makhana Popping Technology and Darbhanga Research Centre Regains its Status of National Institute



Dr. S. N. Jha and Dr. R.K. Vishwakarma bagged the patent on Makhana Popping and Decortication Technology for ICAR, New Delhi and CIPHET, Ludhiana vide the Patent Certificate No. 434144 dated June 8, 2023 granted by Patent Office, Government of India. Continuity and patience paid. Dr. Jha started his work at the beginning of career as M. Tech. thesis in 1988, received patent grant which was applied in 2013. The machine has been licensed to a private company for commercialization. On this achievement, Dr. Jha acknowledged the guidance of Professor Suresh Prasad, IIT Kharagpur as his guide, his the then classmates, Prof NG Bhole, Prof Bal and also Dr. Mangla Rai, former DG ICAR, Dr. M.M. Pandey former DDG Agril. Engg, ICAR. He also thanked staff of CIPHET and Makhana Centre Darbhanga, especially Dr. IS Singh Dr. Gupta during demonstration. Besides, the sincere efforts of Dr Jha recently made it possible to regain the National Institute status to Makhana Research Centre, Darbhanga, Bihar.

The Research Centre of Makhana (RCM) at Darbhanga in Bihar has been redesignated as National Research Centre for Makhana (NRCM), according to an official notification issued by Indian Council of Agriculture Research (ICAR). The center will now operate under the administrative control of the ICAR. Shri. Gopal Jee Thakur, Lok Sabha member from Darbhanga, who has been pushing for restoration of national status for the center, thanked the Central Government for the decision.

Mithila region in Bihar accounts for approximately 90% of global production of Makhana, also known as fox nut, a highly nutritious aquatic crop. Earlier, in August, the union government awarded the Geographic Indication (GI) tag to Mithila Makhana, making it the 15<sup>th</sup> GI tagged commodity in Bihar and the 5<sup>th</sup> agricultural product in the state to receive this recognition



Source : [Makhana research centre in Darbhanga gets back national status - Hindustan Times \(ampproject.org\)](https://www.hindustantimes.com/india-news/makhana-research-centre-in-darbhanga-gets-back-national-status-hindustan-times-ampproject-org)

## Finger Millet Thresher cum Pearler Developed by AICRP on ESA, DBSKKV-Dapoli Centre



Dr. Vijay V. Aware

Threshing of finger millet is one of the labour intensive, drudgery-prone, time consuming and costly operation. The threshing of finger millet is mostly performed in traditional way i.e. by beating the crop with sticks manually. The pearling of finger millet is performed by three different methods such as rubbing seed in gunny bag, leg pounding and stone grinding. This leads to laborious, low output, uneconomical operation with unhygienic low quality products and seeds with low germination percentage.

In operation, the well dried earheads needed to be inserted in hopper. Gradually, earheads should be pushed towards the threshing drum with the help of wooden stick. Earheads then get threshed in threshing drum, grains pearled by pearling drum and cleaned by air blower and sieves. The clean grains receive at grain outlet. The machine is simple to operate. The new finger millet threshing, pearling and cleaning machine, which can be transported easily, to be operated by single phase electric connection, performing all three operations in a single run, is developed by research team of Dr. Vijay Aware at AICRP on ESA, Dr. BSKKV, Dapoli Centre.



Finger millet thresher cum pearler

The overall dimensions of machine are 1250×1159×70 mm. The machine is operated by 2 hp single phase electric motor and the weight of machine is 145 kg. In operation, the well dried earheads needed to be inserted in hopper. Gradually, earheads should be pushed towards the threshing drum with the help of wooden stick. Earheads then get threshed in threshing drum, grains pearled by pearling drum and cleaned by air blower and sieves. The clean grains receive at grain outlet. The capacity (output), threshing efficiency, pearling efficiency, grain damage, cleaning efficiency, total grain loss and energy consumption were 39.4 kg/h, 99.5 per cent, 99 per cent, 0.7 per cent, 97.5 per cent, 1.6 per cent and 0.7 kWh, respectively. About 80% time and 5.38 times labours could be saved by using the said machine.

### नाचणी मळणी आणि सडणी यंत्र

डॉ. विजय वि. आर्ये, डॉ. विजय आर्ये

**नाचणी मळणी आणि सडणी यंत्र**

- यांत्रिक पद्धतीने नाचणीची वाडवटेली कणने ही लवकराई काढण्याची यंत्रणा मळणी केली जाते. मळणीनंतर वाडवटेली पाडणी, खरीबे घुसणे वार देडन लवकराई काढणे, भुसा व हार काढणे वेगळा केला जातो. मळणी करून झाल्यानंतर नाचणीच्या दाण्यावर असलेला भुसा काढण्यासाठी उखळ व मळणीच्या उपयोजित केला जातो. या प्रक्रियेत 'नाचणी सडणी' यंत्रणा.
- नाचणी सडण्यानंतर पुन्हा त्यास वार देडन धाम्य व भुसा वेगळा केला जातो. नाचणीची मळणी व सडणी हे खूप कष्टाचे व वेळखाऊ काम आहे. यामध्ये तळ हाताने फोड घेऊन बघण्याची होताना, बोर घडणाना घुसविणे अशाही तळा अशाही घडणाना सडण्या अशाही, ही काही शक्यता येणारी शक्यतेच्या अंमलावर केली जात असल्याने नाचणीच्या शुध्दतेवर परिचास होतो. यासाठी मोठ्या प्रमाणावर यंत्र लावतात.
- नाचणी लागवडीसाठी खेव काढण्यासाठी व शेताकडून घेत, काढण्या लागू करी काढण्यासाठी नाचणी मळणी व सडणी ही दोन कामे यांत्रिक पद्धतीने होणे आवश्यक होते. यासाठी डॉ. विजय वि. आर्ये यांच्या कृती विद्यापीठात विद्युत सडणीवर यंत्रणा नाचणी मळणी व सडणी यंत्रणे निर्मिती करण्यात आली आहे.

**वेळखे**

- यंत्र वापरण्यास योग्य, यंत्रास चार घाके आणि हॅडल असल्यामुळे वाहून नेण्यास अडथळा नाही.
- मळणी व सडणी या दोन्ही क्रिया एकाचवेळी होत

असल्याने कामाचा ताग कमी होतो.

- यंत्र घरगुती विद्युत प्रवाहाचा वापर करून चालवले जाते.
- यंत्र वापरण्यास पाट, हार व खारि यांचे दुखणे संभवत नाही.
- मळणी व सडणीची कार्यक्षमता ९९ टक्के.
- धान्य साक करण्याची कार्यक्षमता ९०.५ टक्के.
- मळणी व सडणीच्या खर्चात २० टक्के बचत.

— डॉ. सुविधा देसाई, ९४२०९०९३०८ — डॉ. विजय आर्ये, ९४२३८३२३९९  
(डॉ. बाळासाहेब सावंत कोकण कृषी विद्यापीठ, दापोली, जि. रत्नागिरी)



Source: Dr. Vijay V. Aware, PI, AICRP on Ergonomics and Safety in Agriculture, CAET, DBSKKV, Dapoli

The drudgery involved in conventional practice could minimize using this machine. As machine is equipped with wheels and, thus, is locally transportable. The operation of technology has been witnessed by more than 2,000 benefiter through 10 training programmes and 80 demonstrations, melas and visits. Till date 11 units have been sold to different stake holders. Under different schemes of 'Millet year 2023', it is targeted to provide more than 50 units to the end-users. The technology is developed by Dr. Vijay V. Aware, PI, AICRP on Ergonomics and Safety in Agriculture, CAET, DBSKKV, Dapoli. The machine is recommended in Joint Agresco-2020 and commercialised by signing MOU with manufacturer. It is available for sale at AICRP on ESA, CAET, DBSKKV, Dapoli and M/s T. S. Engineering, Shahu Nagar, Hupari, Dist. Kolhapur (MS) at ₹ 54,000/- per unit. Dr. K. N. Agrawal, PC, AICRP on ESA, has extended his all possible support during the entire period of the work on this development.

The ISAE Congratulate the team for this great achievement



Scan QR code to watch  
video of operation of  
Machine

### **Agricultural Engineer in Mahatma Gandhi NERGS, Govt. of Kerala**

Mahatma Gandhi NREG Scheme has shifted its focus towards the creation of durable assets in the rural sector for improving the livelihood security of the rural people in addition to wage employment. In this regard a participatory and comprehensive watershed development programme called "Neeruravu" has been launched by the State Mission with the objective to develop a comprehensive plan document for strengthening the livelihood base of rural families and for the sustainable development of an area. The idea is to prepare stream network based comprehensive watershed master plans in all the micro watersheds in the rural area of the entire State. For this, extensive field survey is essential for identification of suitable works considering the topography, geo-hydrology, land use pattern etc. of each and every locality. Extensive application of GIS based technology is also required for preparing different layers of thematic maps. The service of dedicated technical personnel who are well versed in GIS technology and Soil & Moisture Conservation techniques are required at field level for facilitating the above tasks. Hence, the Mission Director(MGNREGS), as per letter read above, has requested sanction to appoint 51 Agricultural Engineers (One engineer for three Blocks) with the essential qualification, of BTech in Agriculture Engineering, temporarily for one year for implementation of the programme.

Government have examined the matter in detail and are pleased to G.O.(Rt)No.1205/2023/LSGD accord sanction to recruit 51 Agricultural Engineers with the essential qualification of BTech in Agriculture Engineering, under 'Neeruravu' project of MGNREGS strictly on temporary basis for one year with a consolidated pay

Source - G.O.(Rt)No.1205/2023/LSGD Dated,Thiruvananthapuram, 12-06- 2023

## 59<sup>th</sup> Foundation Day, ANGRAU

Acharya N. G. Ranga Agricultural University, celebrated **59<sup>th</sup> FOUNDATION DAY** on **12<sup>th</sup> June (MONDAY)**, 2023 at Krishna Auditorium, RARS, Lam, Guntur.

Dr. K S Jawahar Reddy, Chief Secretary Govt. of Andhra Pradesh was the chief guest and Dr. Trilochan Mohapatra Chairperson (PPVFRA) Former Secretary DARE and DG ICAR was special guest of the function

Vice Chancellor, Members of Board of Management,  
Staff & Students of  
**ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY**  
Lam, Guntur

Solicit your gracious presence on the occasion of  
**59<sup>th</sup> FOUNDATION DAY CELEBRATIONS**  
on Monday, 12<sup>th</sup> June, 2023 at 11.00 AM  
at Krishna Auditorium, RARS, Lam, Guntur

**Chief Guest**  
**Dr. K. S. Jawahar Reddy, IAS**  
Chief Secretary, Government of Andhra Pradesh

**Special Guest**  
**Dr. Trilochan Mohapatra**  
Chairperson, Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA)  
Former Secretary, DARE & Director General, ICAR

**Guests of Honour**  
**Sri B. Rajasekhara, IAS**  
Special Chief Secretary (Panchayat Raj & Rural Development), Govt. of AP &  
Member, Board of Management, ANGRAU

**Dr. K.V.V. Satyanarayana, IRAS**  
Special Secretary to Govt. (Budget & IP), Govt. of AP &  
Member, Board of Management, ANGRAU

**Sri C. Hari Kiran, IAS**  
Special Commissioner of Agriculture, Govt. of AP &  
Member, Board of Management, ANGRAU

**Dr. R. Amarendra Kumar**  
Director (Animal Husbandry), Govt. of AP &  
Member, Board of Management, ANGRAU

**President**  
**Dr. A. Vishnuvardhan Reddy**  
Vice-Chancellor, ANGRAU

## 55th Annual Convention of ANGRAU

The **55th Annual Convocation of ANGRAU** was conducted on **22-05-2023** at **Dr. BV Nath Auditorium, Agricultural College, Bapatla, Andhra Pradesh.**

Hon'ble Governor, Andhra Pradesh & Hon'ble Chancellor, Acharya NG Ranga Agricultural University delivered the **CONVOCATION ADDRESS.**

Dr. Rajendra Singh Paroda, Chairman TAAS (Trust for Advancement of Agricultural Sciences), Former Secretary, DARE & Director General, ICAR as Chief Guest-cum-Orator, and Dr. RS Paroda agreed to be as Chief Guest for the Convocation.

Shri Kakani Govardhana Reddy, Hon'ble Minister for Agriculture & Co-operation, Marketing, Food Processing, Government of AP was the Distinguished Guest for the Convocation.

**LIVE**

**Invitation**

**55<sup>th</sup> ANNUAL CONVOCATION**

on Monday the 22<sup>nd</sup> May, 2023 at 11.30 A.M.  
at Dr. B.V. Nath Auditorium, Agricultural College, Bapatla, A.P.

[Click here](#) → **YouTube**

**Location**  **Live Streaming** 

**Acharya N.G. Ranga Agricultural University**  
Lam, Guntur - 522 034, Andhra Pradesh

## Inauguration of Regional Center of ICAR-CIPHET, Abohar

Dr. S. N. Jha, Deputy Director General (Agricultural Engineering) inaugurated the Regional Center of ICAR- Central Institute of Post-Harvest Engineering & Technology, Abohar on 20<sup>th</sup> June 2023 as the Chief Guest. Dr. Nachiket Kotwaliwale, Director, CIPHET Ludhiana was the Guest of Honor.

The Horticulture and Crop Processing Division of CIPHET Abohar has been upgraded to Regional Centre CIPHET Abohar.

A stakeholder meeting was organized on the occasion. Entrepreneurs, progressive farmers, and women of self-help groups associated with CIPHET Abohar and Krishi Vigyan Kendra participated in the event. They were apprised of the research being carried out at CIPHET.



(Source: ICAR- Central Institute of Post-Harvest Engineering & Technology, Ludhiana)

## MoU Between ASABE & ISAE

Memorandum of Understanding between The American Society of Agricultural and Biological Engineering (ASABE), St. Joseph, Michigan, USA and The Indian Society of Agricultural Engineering (ISAE), New Delhi, India is in process. In this MoU, ASABE and ISAE desire to collaborate on various activities and initiatives to promote the advancement of agricultural and biological engineering, support in research & training and information dissemination in Agricultural, Biological and Food Engineering.

The American Society of Agricultural and Biological Engineers (ASABE) established as educational and scientific organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems departments (hereinafter to as ASABE, which expression shall unless repugnant to the context thereof, include its successors and permitted assigns). ASABE is one among the global leaders providing engineering and technological solutions ensuring a healthy environment and a sustainable world with ample food, water, fiber, and energy



## Inauguration of PM Kishna Mobile App

Ministry of Agriculture & Farmers Welfare, Government launched PM Kisan mobile app with face authentication feature. From the app, remote farmers can do e-KYC by scanning their face without OTP or fingerprint even sitting at home.

New Delhi, June 22, 2023, Union Minister of Agriculture and Farmers Welfare, Shri Narendra Singh Tomar launched the PM-Kisan mobile app with face authentication feature under the Central Government's ambitious and popular scheme for income support to farmers, "Pradhan Mantri Kisan Samman Nidhi".

Best example of modern technology using face authentication feature from this app farmer can complete e-KYC remotely, sitting at home easily by scanning face without OTP or fingerprint and 100 other farmers can also do e-KYC at their home can help.

Recognizing the need to make e-KYC mandatory, the Government of India has extended the ability of farmers to perform e-KYC to officers of state governments, so that each officer can complete the e-KYC process for 500 farmers .

Thousands of farmers present in Krishi Vigyan Kendras across the country, as well as officers of the Central and State Governments and representatives of various government agencies and agricultural organizations were virtually connected to the event held at Krishi Bhavan, New Delhi.

On this occasion, Union Minister Mr. Tomar said that Prime Minister Kisan Samman Nidhi is a very comprehensive and ambitious scheme of the Government of India, in the implementation of which the state governments have performed their role very diligently, as a result of which about 8.5 crore After KYC to the farmers, we have come in a position to give the installment of the scheme.

The more refined this platform is, the more it will be useful for PM-Kisan, and whenever the farmers have to give any benefit, even then complete data will be available with the Central and State Governments, due to which no problem will arise.

Shri Tomar said that PM-Kisan is an innovative scheme, the benefit of which is being given to the farmers by the central government without any middlemen.



## Agrivision-2023, 7th National Conference

New Delhi, May 6, 2023, the 7th National Conference, Agrivision-2023, organized in Pusa (Delhi), was concluded by the Chief Guest, Union Minister for Agriculture and Farmers Welfare, Shri Narendra Singh Tomar.

On this occasion, Mr. Tomar said that Amrit Kaal is very auspicious for the new generation, in which whatever India thinks of doing, it will be successful. Mr. Tomar said that the farmer fills our stomach, so why can't we call him a rich, prosperous or food-giving farmer, instead of calling the farmers poor, their reputation should be enhanced. Agriculture sector is the base of our economy, the backbone of our country. Our farmers and scientists who are working in the agriculture sector deserve appreciation, they should always be encouraged. Shri Tomar said that more money can be earned in other fields than farming, but the farmer is not earning livelihood only for himself, but he is doing farming to feed 140 crore people of the nation.

When the drops of sweat of the farmers fall on the fields, then the production and productivity increases and apart from supplying food grains to the country, we are also able to meet the expectations of the world. Mr. Tomar said that natural outbreaks happen, no one has a cure for it, but efforts are made to compensate for the loss.

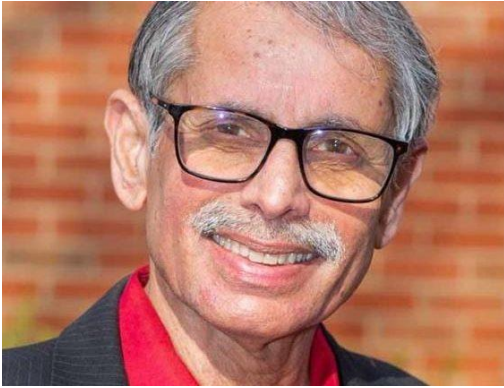
Security cover of Rs 1.30 lakh crore to the farmers under the Pradhan Mantri Fasal Bima Yojana compensation is an example of this. Under the Pradhan Mantri Kisan Samman Nidhi Yojana, crores of farmers have been given about Rs. 2.5 lakh crore so far. Deposited by the Central Government in their bank accounts with complete transparency. The plan to create 10,000 Farmer Producer Organizations (FPOs) in the country is being implemented at the expense of Rs. 6,865 crore. The Kisan Credit Card (KCC) scheme has come as a boon for small farmers, under which about Rs 20 lakh crore has been disbursed as Short term loan.

Farmers engaged in animal husbandry-fishery have also been benefited by linking them with KCC. Efforts have been made for healthy production while maintaining the fertility of the fields through schemes like Soil Health Card. Along with the Digital Agriculture Mission, while promoting technology in the agriculture sector, technical support is being provided to the farmers so that their profits in farming increase.



## Achievements

### **Dr. Manjit Misra an agricultural engineering alumni of OUAT, Appointed NIFA Director In US**



The U.S. Department of Agriculture (USDA) announced the appointment of Manjit K Misra, as the new Director of the National Institute of Food and Agriculture (NIFA).

The NIFA Director leads the agency's work in advancing agricultural research, education, and extension to solve societal challenges. Dr Misra started his new role on Monday, May 8, 2023, sources said.

Prior to joining USDA, Misra served as a Professor of Agricultural and Biosystems Engineering at Iowa State University. For more than 30 years, he was Director of the university's Seed Science Center. The center has administered the National Seed Health System, authorized by USDA's Animal and Plant Health Inspection Service, since 2001.

Dr. Misra earned a Bachelor degree in Agricultural Engineering from OUAT, Bhubaneswar, Odisha. He got a Master of Science and a Doctor of Philosophy in Agricultural Engineering at the University of Missouri-Columbia. He is a researcher with 137 publications and an innovator with ten patents. During his tenure as the Director of the Seed Science Center, the faculty and staff conducted seed programs in 79 countries, including 34 countries in Africa.

Dr Misra also was founding Director of the Iowa State's Biosafety Institute for Genetically Modified Agricultural Products.

In 2012, Dr Misra was appointed Chair of the USDA National Genetic Resources Advisory Council (NGRAC), a position he held until 2017. Misra has served on more than 60 local, national, and international boards and committees. These include the Steering Committee for the Food and Agriculture Organization's (FAO) International Conference on Biotechnology, the Scientific Advisory Council of the American Seed Research Foundation, the Board of Directors of the Iowa Seed Association, the Iowa Crop Improvement Association, and the First the Seed Foundation.

Dr. Misra is the recipient of several awards for leadership, including the "Distinguished Service Award" from the American Seed Trade Association, the "Order of the Knoll Faculty Award" from Iowa State University, the "Global Agricultural Leadership Award" from the Indian Council of Food and Agriculture, the Sukup Global Food Security award, a certificate of appreciation from the Secretary of Agriculture and the AE50 award from the American Society of Agricultural and Biological Engineers (ASABE).

"Dr Misra is an esteemed scientist and educator whose devotion to studying and sharing his knowledge of seeds with the world will benefit society and inspire generations to come," Secretary Tom Vilsack is reported to have said.



## Achievements

### **Prof. Vijaya Raghavan, awarded the McGill's Lifetime Achievement Award during Spring 2023 Convocation, at McGill University, Canada**

Professor Vijaya Raghavan, James McGill Professor, Department of Bioresource Engineering, McGill University, Canada, has been awarded the McGill's Lifetime Achievement Award during Spring 2023 Convocation on June 2, 2023, at McGill University, Canada

This prestigious award recognizes “sustained excellence in leadership and innovation which has had a significant impact on teaching and the learning experience at McGill and beyond”. This recognition is a true testament to Professor Raghavan commitment to excellence, dedication, outstanding contributions, and remarkable achievements in teaching, research, and development activities. Professor Raghavan has mentored and trained numerous students and continues to inspire and educate a new generation of researchers and engineers

Professor Raghavan has made significant contributions to the field of Agricultural/Biosystems/Biological Engineering Education through his teaching, research work, academic excellence, and unwavering dedication to advancing the profession

Link to McGill University webpage of Professor Raghavan: <https://www.mcgill.ca/bioeng/faculty-and-staff/academic-staff/vijaya-raghavan>

Link to McGill reporter: <https://reporter.mcgill.ca/vijaya-raghavan-visionary-and-a-role-model-earns-lifetime-achievement-award/>



## New Appointments



Dr. S. P. Singh joined as Project Coordinator, UAE, at CIAE, Bhopal.



Dr. P.K. Sahoo joined as Head, Division of Agricultural Engineering, IARI, New Delhi.

The ISAE family congratulate you on your great achievement.

## Superannuation



Dr. Sudhir B. Wadtkar has got retired as Dean, Faculty of Agricultural Engineering on June 30, 2023, from his graceful service to Dr. PDKV, Akola. The ISAE family wishes happy retirement life for you

## Obituary



Dr. Ashish Kumar Datta, Retired Professor of Department of Agricultural and Food Engineering, IIT, Kharagpur passed away on June 12, 2023. He was dedicated teacher and researcher. He was B. Tech. from IIT, Kharagpur (1976) and got his MS (1978) and PhD (1982) from USA. He joined as a faculty in IIT, Kharagpur in 1986. He owned the excellent publications and guided number of students. All his students, colleagues and all Agricultural Engineers were shocked on his untimely loss from the field.

The ISAE family pays heartfelt tribute to the departed soul and stand in sorrow of his family, always.



## New Members

### Life Members

| Membership No. | Name                            |
|----------------|---------------------------------|
| LM-12614       | Er Chinju Saju                  |
| LM-12615       | Er Ramu Koneru                  |
| LM-12616       | Er Girisha M N Kumbara          |
| LM-12617       | Er Venkatesh Sangappa Kshatriya |
| LM-12618       | Er Mayur Vajubhai Jalu          |
| LM-12619       | Er Nazma Hafeeza Shaik          |
| LM-12620       | Dr Owais Ahmad Bhat             |
| LM-12621       | Dr Syeedah Raazia               |
| LM-12622       | Dr Pushpraj                     |
| LM-12623       | Er Gangadharayya S              |
| LM-12624       | Er Manoj Kumar Verma            |
| LM-12625       | Dr Vasudevan Mangottiri         |
| LM-12626       | Dr C S Sumathi                  |
| LM-12627       | Er Bhanu Pratap Singh Thakur    |
| LM-12628       | Er Tulsi Viswakarma             |
| LM-12629       | Er Ganeshamoorthy J             |
| LM-12630       | Er Ramesh Kumar Meena           |
| LM-12631       | Er Atul Jain                    |
| LM-12632       | Er Subham Shankar               |
| LM-12633       | Er Varun Sharma                 |
| LM-12634       | Dr Subh Karan Singh             |
| LM-12635       | Dr Shakir Ali                   |
| LM-12636       | Er Himanshu Tyagi               |
| LM-12637       | Er K R Jolvis Pou               |
| LM-12638       | Er Ankit Deep                   |
| LM-12639       | Er Dinesh Pappan                |
| LM-12640       | Er Madhusudan Sinha             |
| LM-12641       | Er Jitendra Chordia             |

### Corporate/Institutional Member

Institutional  
Member

Dr. RPCAU, Pusa, Samastipur, Bihar

### Annual Members

Membership No  
M-230609

Name  
Er Deepali Mudgal

## New Members

### Student Member

#### Membership No.

SM-230560

SM-230561

SM-230562

SM-230563

SM-230564

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SM-230566

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SM-230695

#### Name

N. Sridhar

Govarthanan T. R.

Mr LOHITARANI S

Sandhiya C

Krithika D.

Bakkiyalakshmi P

Harini.K

Srimathi S

Jeevitha P

Kaviya E

Sanjana L

Gopika H

Y Brindha

P.Priyadharshni

Soundarya.V

Sujitha S

E.sanjay Pavithran

Kiruthiga.M

BLESSY THEBORAL P

Narendar N

Karpagam

Divya priya

Darshny S

Garima Tripathi

Gokul

Surentheren Vanumamalai

HIMANSHU YADAV

Rakshitha C V

Deena Selcia.D

Prayagha. R

RUPESH KUMAR OJHA

Bhuneshwar Mahto

Masan Arumugam

AARADHYA MAHI

Gombom Pertin

SOMESH SINGH DHAKER

## New Members

### Student Member

#### Membership No.

#### Name

|            |                        |
|------------|------------------------|
| SM-230696  | ANUSMITA BHOWMIK       |
| SM-2306151 | K. VIJAY BALAJI        |
| SM-2306152 | M.Harri prakash        |
| SM-2306153 | irfana.z               |
| SM-2306154 | Darshini Kiruthika.R.R |
| SM-2306155 | Devi Dharshini JG      |
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| SM-2306161 | Ezhilarasi. P          |
| SM-2306162 | Bakiyaraj L            |
| SM-2306163 | Kaviya S               |
| SM-2306164 | Sabaridharsan S S      |



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| S. No | Name                   | Position                              | Email                                             |                                                                                       |
|-------|------------------------|---------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.    | S.N. <u>Jha</u>        | President                             | president@isae.in<br>snjha_ciphet@yahoo.co.in     |    |
| 2.    | <u>Indra Mani</u>      | Immediate Past President              | past_president@isae.in<br>maniindra99@gmail.com   |    |
| 3.    | D.M. <u>Kadam</u>      | Vice President<br>(Activity Council)  | vicepresident_ac@isae.in<br>dmkadam11k@gmail.com  |    |
| 4.    | <u>Ambrish Kumar</u>   | Vice President<br>(Technical Council) | vicepresident_tc@isae.in<br>aktswc@gmail.com      |    |
| 5.    | P.K. <u>Sahoo</u>      | Secretary General                     | secretarygeneral@isae.in<br>sahoopk1965@gmail.com |   |
| 6.    | T.K. <u>Khura</u>      | Secretary-I                           | secretary1@isae.in<br>tapankhura2020@gmail.com    |  |
| 7.    | Chandra <u>Shekhar</u> | Secretary-II                          | secretary2@isae.in<br>agm.engg@indiaseeds.com     |  |
| 8.    | A.K. Thakur            | Treasurer                             | treasurer@isae.in<br>drakthakur65@gmail.com       |  |



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